

Abstract of the Disclosure

A PM-type electric rotating machine comprises a rotation axis, a rotor that rotates together with the rotation axis and a stator that rotatably supports the rotation axis. The rotor has a closed-end-cup-shaped holder that is mounted at one end of the rotation axis and a permanent magnet fixed on an inner surface of a cylindrical portion of the holder. The stator has a housing bush that supports the rotation axis in an axis hole formed through the center of the housing bush, twelve stator cores that are radially mounted around the housing bush to face the outer tip ends thereof to the permanent magnet with an air gap, and coils that are wound around the stator cores via insulators. The inner base portions of the stator cores are connected to one another with pressure so as to form a ring-shaped yoke by mounting the stator cores around the housing bush.